

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P851491

Luminaire Tested: **GLAN-SB9C-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851491  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 66651 lumens  
Efficiency: N/A  
Efficacy: 148.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

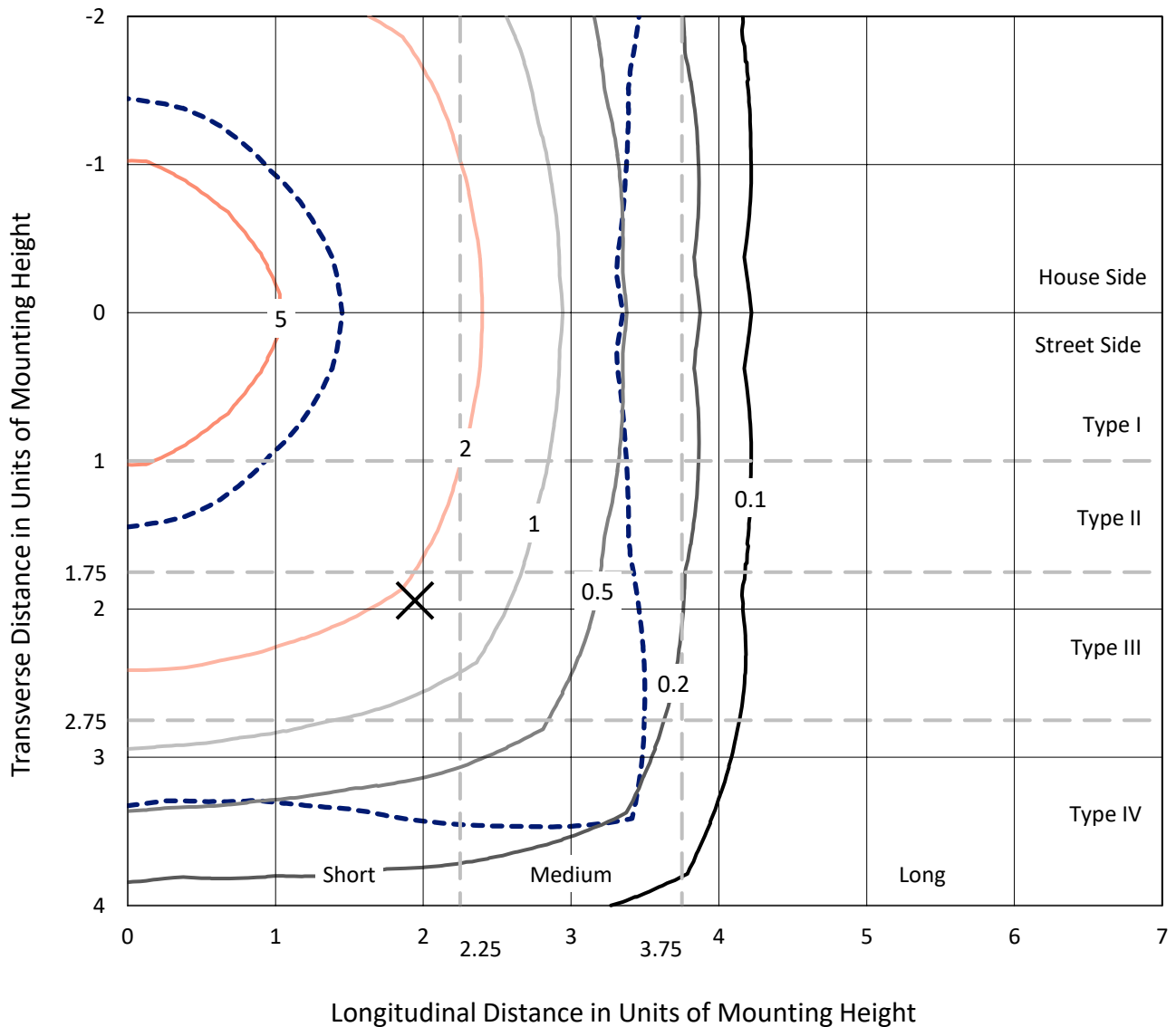
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

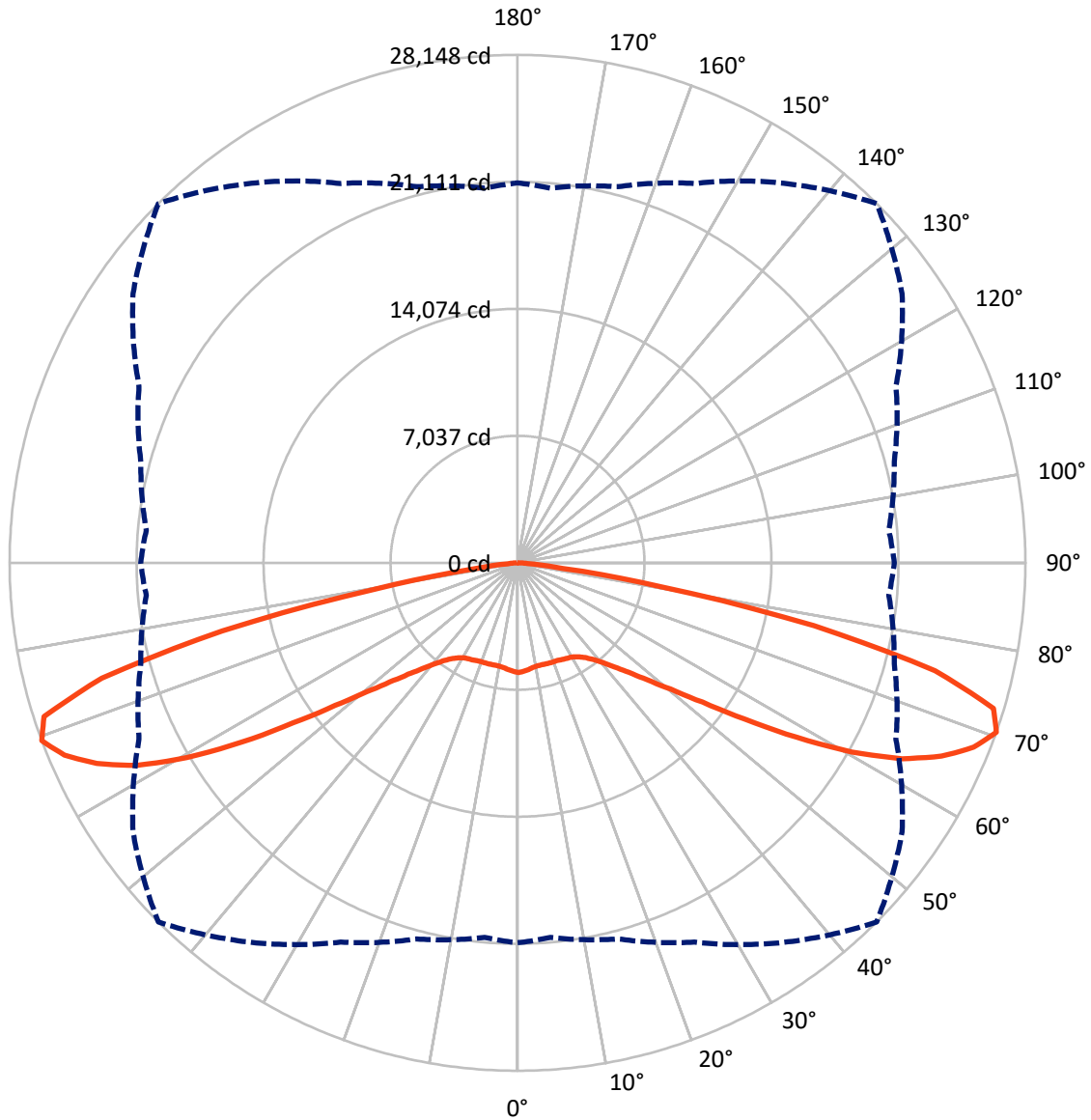
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	33325.5	0.0	33325.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33325.5	0.0	33325.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	66651.0	0.0	66651.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	565.6	0.8
10°-20°	1660.7	2.5
20°-30°	2763.6	4.1
30°-40°	4179.4	6.3
40°-50°	6945.1	10.4
50°-60°	13105.2	19.7
60°-70°	22128.7	33.2
70°-80°	14540.9	21.8
80°-90°	761.8	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	66651.0	100.0
0°-180°	66651.0	100.0

**Coefficient of Utilization**

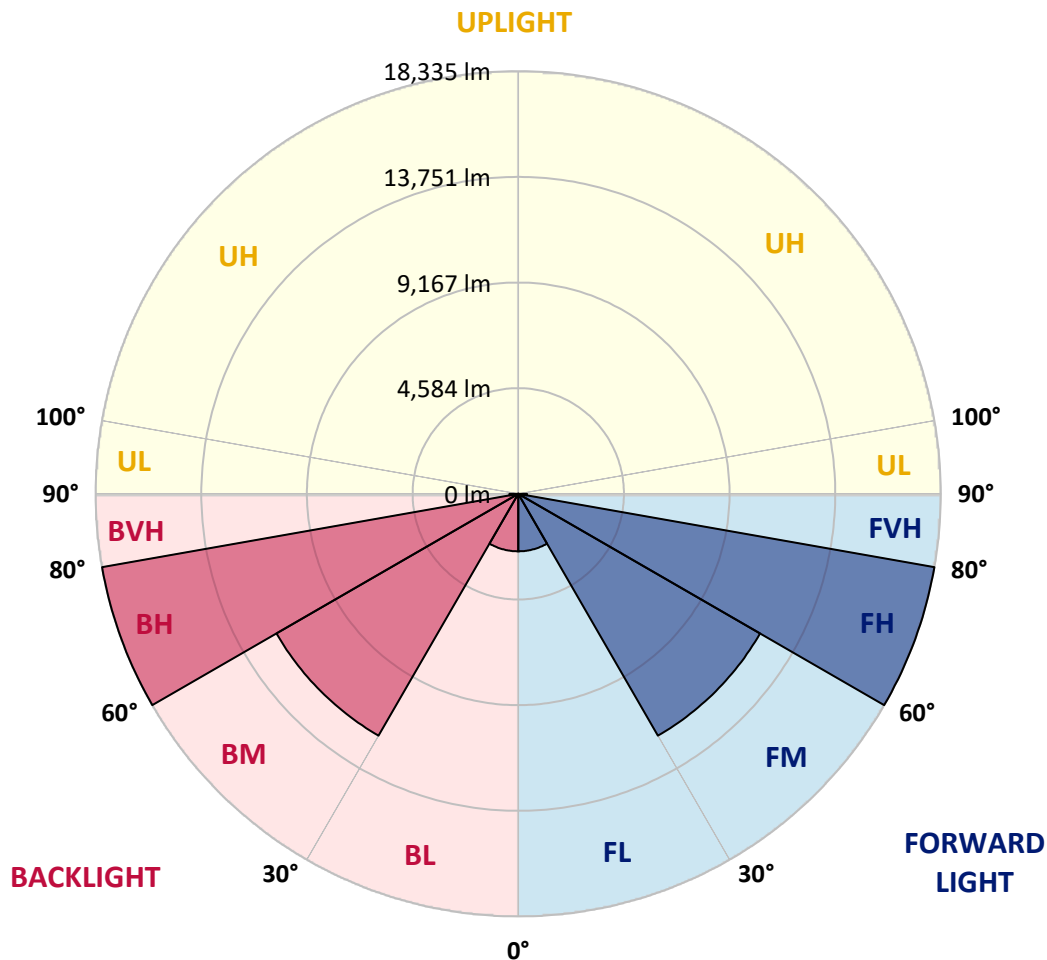


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2494.9	3.7			
FM (30°-60°)	12114.9	18.2			
FH (60°-80°)	18334.8	27.5			G5
FVH (80°-90°)	380.9	0.6			G3/500
BL (0°-30°)	2494.9	3.7	B3/2500		
BM (30°-60°)	12114.9	18.2	B5		
BH (60°-80°)	18334.8	27.5	B5		G5
BVH (80°-90°)	380.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6079.9	6079.9	6079.9	6079.9	6079.9	6079.9	6079.9	6079.9	6079.9	6079.9
2.5°	6041.8	6059.1	6052.2	6038.3	6038.3	6027.9	6038.3	6045.3	6055.7	6062.6
5°	5962.1	5976.0	5972.5	5962.1	5965.6	5955.2	5962.1	5972.5	5979.4	5982.9
7.5°	5892.8	5906.7	5899.8	5882.4	5882.4	5872.1	5875.5	5885.9	5896.3	5899.8
10°	5875.5	5889.4	5868.6	5840.9	5830.5	5816.6	5820.1	5830.5	5851.3	5861.7
12.5°	5882.4	5892.8	5872.1	5830.5	5820.1	5806.2	5806.2	5816.6	5844.3	5858.2
15°	5903.2	5913.6	5882.4	5837.4	5827.0	5816.6	5813.2	5827.0	5858.2	5882.4
17.5°	5941.3	5951.7	5903.2	5840.9	5827.0	5830.5	5827.0	5837.4	5885.9	5930.9
20°	5976.0	5982.9	5917.1	5840.9	5827.0	5830.5	5827.0	5847.8	5910.2	5972.5
22.5°	5986.4	5993.3	5930.9	5865.1	5854.7	5858.2	5854.7	5875.5	5934.4	5996.8
25°	5989.8	6000.2	5951.7	5899.8	5917.1	5924.0	5917.1	5920.6	5965.6	6021.0
27.5°	6041.8	6055.7	6010.6	5965.6	5976.0	5972.5	5982.9	5993.3	6027.9	6083.4
30°	6149.2	6159.6	6121.5	6076.4	6069.5	6045.3	6076.4	6111.1	6149.2	6197.7
32.5°	6325.9	6346.7	6298.2	6249.7	6218.5	6204.6	6228.9	6287.8	6339.7	6391.7
35°	6620.3	6634.2	6589.2	6499.1	6443.7	6443.7	6464.5	6540.7	6623.8	6689.6
37.5°	7036.1	7053.4	6973.7	6866.3	6783.2	6783.2	6810.9	6890.6	7015.3	7108.8
40°	7541.9	7566.1	7465.6	7354.8	7275.1	7261.3	7295.9	7386.0	7503.8	7621.5
42.5°	8151.6	8179.3	8047.7	7950.7	7888.3	7888.3	7905.6	7988.8	8096.2	8241.7
45°	8931.1	8979.6	8799.4	8702.4	8643.5	8657.4	8667.8	8740.5	8837.5	9003.8
47.5°	9859.5	9908.0	9717.5	9617.0	9606.6	9672.4	9630.9	9682.8	9734.8	9925.3
50°	10912.7	10995.8	10864.2	10857.2	10878.0	10999.3	10902.3	10930.0	10871.1	10992.3
52.5°	12201.4	12322.7	12298.4	12340.0	12572.1	12821.5	12599.8	12502.8	12281.1	12319.2
55°	13763.8	13947.4	13982.1	14231.5	14758.1	15267.3	14796.2	14404.7	13933.6	13847.0
57.5°	15541.0	15686.5	15852.8	16362.1	17345.9	18250.1	17345.9	16479.9	15738.5	15561.8
60°	17453.3	17633.5	17792.8	18544.6	20006.6	21278.0	19978.8	18603.5	17623.1	17384.0
62.5°	19507.7	19739.8	19850.7	20685.6	22390.0	23907.4	22414.3	20747.9	19660.1	19403.8
65°	21478.9	21669.4	21794.2	22684.5	24312.7	25833.6	24423.6	22781.5	21662.5	21326.5
67.5°	22396.9	22500.9	22805.7	23813.9	25532.2	27267.8	25823.2	23921.3	22670.6	22081.7
70°	21052.8	20841.5	21575.9	23190.3	25677.7	28147.7	26010.2	23141.8	21610.5	20654.4
72.5°	16268.5	15904.8	17179.7	19940.7	24014.8	27586.5	24181.1	20096.6	17973.0	16033.0
75°	8851.4	8439.1	10199.0	13691.1	19150.9	23910.9	19590.8	14082.5	11356.1	8785.6
77.5°	2497.8	2341.9	3762.3	6623.8	11518.9	16788.2	11962.4	6769.3	4462.1	2646.8
80°	765.6	741.4	1004.7	1995.5	4891.6	8040.7	4701.1	2019.7	1278.3	807.2
82.5°	453.8	415.7	498.9	727.5	1247.2	2525.5	1212.5	758.7	609.7	408.8
85°	259.8	242.5	294.5	353.4	419.2	537.0	349.9	360.3	325.6	218.3
87.5°	107.4	97.0	114.3	110.9	97.0	124.7	93.5	110.9	131.6	86.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
6079.9  
6059.1  
5982.9  
5899.8  
5861.7  
5861.7  
5885.9  
5930.9  
5976.0  
5996.8  
6017.6  
6069.5  
6187.3  
6370.9  
6665.4  
7074.2  
7583.4  
8231.3  
8996.9  
9869.9  
10919.6  
12191.0  
13711.8  
15437.1  
17176.2  
19195.9  
21160.2  
22088.6  
*20883.0*  
16514.5  
9357.2  
2941.2  
852.2  
443.4  
228.6  
79.7  
0.0

OF REPORT)